



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

646.3310
Job Sheet 170455



Part No: 646.3310

Job Qty: 4 ea

Part Name: LH Half - Upper Cutter Assembly



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/16/18

Job Tracking No:

Due Date: 1/24/18

Created By: Linda Lacelle

Type: SOLD

Description:

Note: DWG REV A IPP REV:A NEW ISSUE 12/11/17 JFS VERIFY BY: JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	4 Ea	1/24/18	1/24/18	0.00	0.00	Start Up Machining-1		KT 18-03-12
110	CNC Vertical Machining	4 pcs	1/24/18	1/24/18	0.44	5.26	HAAS1-1		KT 18-03-12
120	QC	4 pcs	1/24/18	1/24/18	0.00	0.00	QC2 Machining-1		KT 18-03-12
130	QC	4 pcs	1/24/18	1/24/18	0.00	0.00	QC8 Machining-1		KT 18-03-12
140	Outsource	4 pcs	1/24/18	1/24/18			ATG001-VC	10	KT 03/16/18 ATISoyll
150	Packaging	4 pcs	1/24/18	1/24/18	0.00	0.00	Packaging2		ADMBY/4
155	QC	4 pcs	1/24/18	1/24/18	0.00	0.00	QC5		11 APR 11 2018
180	Packaging	4 pcs	1/24/18	1/24/18	0.00	0.00	Packaging3-1		9-89
190	QC21-SA	4 Ea	1/24/18	1/24/18	0.00	0.00	QC21		DAS 21 APR 11 2018

Part Op 110 - 1-Machine per folio FB154 Blank 13.375

Descriptions: 140 - Issue P/O to ATG : 20039326 1- Black Anodize as per Dwg 646.3300

180 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	M7075T6S7.000X2.000	4	0	0	0

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐			
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																								
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Large Fab ☐	Composite ☐	Supplier ☐																									
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																				
Description Work Order Deviation				Disposition				Completed By																			
								Lead hand / Supervisor Approval Verification																			
								QC / QA Coordinator Approval																			
Environm Des Doc/D Equip/Tool Handling/ Mate Internal Transp Tribal Knowle Substat Past Expiry Da Container No: 8049934 Part: 646.3310 Job No: 170455 Serial No/Batch: 8049934 Revision: Inspector:				CATEGORY <table style="width: 100%; border: none;"> <tr> <td style="border: none;">☐ Power Loss/Surge</td> <td style="border: none;">☐ Positioned Wrong</td> </tr> <tr> <td style="border: none;">☐ Folio/Program</td> <td style="border: none;">☐ Outside Dimensions</td> </tr> <tr> <td style="border: none;">☐ Grain</td> <td style="border: none;">☐ Over/Under tolerance</td> </tr> <tr> <td style="border: none;">☐ Weld</td> <td style="border: none;">☐ Part Incorrect</td> </tr> <tr> <td style="border: none;">☐ Wrong Stock Pulled</td> <td style="border: none;">☐ Part Lost/Missing</td> </tr> <tr> <td style="border: none;">☐ Out of Sequence</td> <td style="border: none;">☐ Part Moved</td> </tr> <tr> <td style="border: none;">☐ Off-set</td> <td style="border: none;">☐ Drawing</td> </tr> <tr> <td style="border: none;">☐ Mislabeled</td> <td style="border: none;">☐ Finish</td> </tr> <tr> <td style="border: none;">☐ Fit/Function</td> <td style="border: none;">☐ Misread</td> </tr> <tr> <td style="border: none;">☐ Misaligned/off center</td> <td style="border: none;">☐ Turning Sequence</td> </tr> </table>				☐ Power Loss/Surge	☐ Positioned Wrong	☐ Folio/Program	☐ Outside Dimensions	☐ Grain	☐ Over/Under tolerance	☐ Weld	☐ Part Incorrect	☐ Wrong Stock Pulled	☐ Part Lost/Missing	☐ Out of Sequence	☐ Part Moved	☐ Off-set	☐ Drawing	☐ Mislabeled	☐ Finish	☐ Fit/Function	☐ Misread	☐ Misaligned/off center	☐ Turning Sequence
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Misidentified ☐ Past Due ☐ OTHER : ☐																											

Date: 03/12/18

Part Specifications					
Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	LH Half	7.296inches $\pm$ 0.005	7.301 7.291		
2	LH Half	3.767inches $\pm$ 0.005	3.772 3.762		
3	LH Half	0.457inches $\pm$ 0.005	0.462 0.452		
4	LH Half	0.313inches $\pm$ 0.005	0.318 0.308		
5	LH Half	0.710inches $\pm$ 0.005	0.715 0.705		
6	LH Half	6.469inches $\pm$ 0.005	6.474 6.464		
7	LH Half	10.116inches $\pm$ 0.005	10.121 10.111		
8	LH Half	10.309inches $\pm$ 0.005	10.314 10.304		
9	LH Half	0.177inches $\begin{matrix} + 0.005 \\ - 0.001 \end{matrix}$	0.182 0.176	Diameter	
10	LH Half	0.209inches $\begin{matrix} + 0.005 \\ - 0.001 \end{matrix}$	0.214 0.208	Diameter	
11	LH Half	0.250inches $\pm$ 0.005	0.255 0.245		
12	LH Half	1.250inches $\pm$ 0.005	1.255 1.245		
13	LH Half	0.125inches $\pm$ 0.005	0.130 0.120	Radius	
14	LH Half	3.513inches $\pm$ 0.005	3.518 3.508		
15	LH Half	8.375inches $\pm$ 0.005	8.380 8.370		
16	LH Half	0.250inches $\pm$ 0.005	0.255 0.245		
17	LH Half	8.100Degrees $\pm$ 0.500	8.600 7.600	Angle	
18	LH Half	11.689inches $\pm$ 0.005	11.694 11.684		
19	LH Half	11.250inches $\pm$ 0.005	11.255 11.245		
20	LH Half	0.200inches $\pm$ 0.005	0.205 0.195		
21	LH Half	45.000Degrees $\pm$ 0.000	45.000 45.000	Angle	

Plex 1/16/18 1:29 PM dart.lacelle.linda

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____		DISPOSITION		AGAINST DEPARTMENT/PROCESS					
Part No. _____		Rework ☐		Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐		
NCR No. _____		Scrap ☐		Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐		
		Use-as-is ☐		Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐		
		Suspected Unapproved ☐		Large Fab ☐	Composite ☐	Supplier ☐			
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong				
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions				
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance				
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect				
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing				
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved				
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing				
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish				
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread				
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence				
Past Expiry Date ☐	☐ Manufacturing Process								
Misidentified ☐	☐ Past Due	OTHER :							



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039326**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalonde, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039326
PO Date: 3/15/18
Due Date: 3/30/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Via: Ground
Pynt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	170456	646.3311	RH Half - Upper Cutter Assembly Issue P/O to ATG : _____	Firmed	3/30/18	4 pcs	4 pcs	4 pcs	\$24.62/pcs	\$98.48
2	172994	D5576-1	Deflector, Upper Cable Cutter Issue P/O to ATG : _____ Black Anodize & Prime as per Dwg. D5576 Certification of Conformity is required.	Firmed	3/30/18	2 pcs	0 pcs	2 pcs	\$16.22/pcs	\$32.44
3	172993	D5575-1	Deflector, Lower Cable Cutter Issue P/O to ATG : _____ Black Anodize & Prime as per Dwg. D5575-1 Certification of Conformity is required.	Firmed	3/30/18	2 pcs	0 pcs	2 pcs	\$15.02/pcs	\$30.04
4	170455	646.3310	LH Half - Upper Cutter Assembly Issue P/O to ATG : _____ 1- Black Anodize as per Dwg 646.3300	Firmed	3/30/18	4 pcs	4 pcs	4 pcs	\$24.62/pcs	\$98.48
5	171160	646.3310	LH Half - Upper Cutter Assembly Issue P/O to ATG : _____ 1- Black Anodize as per Dwg 646.3300	Firmed	3/30/18	11 pcs	11 pcs	11 pcs	\$24.62/pcs	\$270.82
Grand Total:										\$530.26

Order Notes

CT.

DAS
11
9-89



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914893

Date: 06-Apr-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chantal Lavoie
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
4 ea	Part: 646.3311 RH Half Upper Cutter Assembly Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 22752 PO: PO039326 Line: 1	Rev: A	
4 ea	Part: 646.3310 LH Upper Cutter Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 22755 PO: PO039326 Line: 4	Rev: A	
11 ea	Part: 646.3310 LH Upper Cutter Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 22756 PO: PO039326 Line: 5	Rev: A	
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>6/4/18</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of Made in Canada.			